

**WHAT IS CLAIMED IS:**

1. A catheter for the uniform delivery of fluid throughout an anatomical region, comprising:

an elongated tube having a closed distal end and a plurality of exit holes in side walls of said tube, said exit holes provided along a length of said tube defining an infusion section of said catheter, said tube being sized to be inserted into an anatomical region; and

an elongated member positioned within said tube, said member being sized so that an annular space is formed between said tube and said member, said member being formed of a porous material;

wherein said catheter is configured so that a fluid introduced into a proximal end of said tube will flow through said exit holes at a substantially uniform rate throughout said infusion section.

2. The catheter of Claim 1, wherein said member is concentric with said tube.

3. The catheter of Claim 1, wherein said member is not concentric with said tube.

4. The catheter of Claim 1, wherein said member is secured to said tube by a ring-shaped bond near the proximal end of said infusion section.

5. The catheter of Claim 1, wherein said member is secured to said tube by a ring-shaped bond generally midway between the proximal and distal ends of said infusion section.

6. The catheter of Claim 1, wherein said member is bonded to said tube at the distal end of said member.

7. The catheter of Claim 1, wherein said porous material has an average pore size within the range of .1 - 50 microns.

8. The catheter of Claim 1, wherein said porous material is Mentek.

9. The catheter of Claim 1, wherein said annular space has a radial width within the range of 0-0.005 microns.

10. The catheter of Claim 1, further comprising an air filter in the flow path of said tube.